

L2 ANSWER 27 OF 27 CA COPYRIGHT 2008 ACS on STN
 AN 74:115411 CA
 OREF 74:18669a,18672a
 ED Entered STN: 12 May 1984
 TI Role of sulfates in the pozzolanic properties of a fly
 ash from a steam power plant
 AU Vaquier, A.; Carles-Gibergues, A.
 CS Lab. Mineral. Cristallogr., Fac. Sci., Toulouse, Fr.
 SO Revue des Materiaux de Construction et de Travaux Publics (1970), No. 662,
 331-7
 CODEN: RMCNAG; ISSN: 0035-2144
 DT Journal
 LA French
 CC 58 (Cement and Concrete Products)
 AB The studies concern the reactions were studied of a aluminosilicate
 fly ash in contact with pure water,
 water saturated with lime, and water saturated with portland cement. When
 placed
 in pure water the fly ash releases
 alkalis and Ca in the form of sulfates. When the sulfates come in contact
 with lime solution the initial products are ettringite and tobermorite, but
 without sulfates only tobermorite is found. In contact with cement water
 containing both sulfate and lime the fly ash produces
 ettringite.
 ST fly ash sulfate reaction; pozzolanic cement
 fly ash
 IT Ashes
 (fly, mineral formation from, sulfate effect on)
 IT Cement
 (mineral formation in fly ash-containing, sulfate
 effect on)
 IT 1319-31-9P 12252-12-9P
 RL: FORM (Formation, nonpreparative); PREP (Preparation)
 (formation of, in fly ash containing lime, sulfate
 effect on)
 IT 14808-79-8, properties
 RL: PRP (Properties)
 (mineral formation in fly ash containing)
 IT 1305-62-0
 RL: USES (Uses)
 (mineral formation in fly ash containing, sulfate